

STATE OF MISSOURI  
**DEPARTMENT OF NATURAL RESOURCES**

MISSOURI CLEAN WATER COMMISSION



**MISSOURI STATE OPERATING PERMIT**

In compliance with the Missouri Clean Water Law, (Chapter 644 R.S. Mo. as amended, hereinafter, the Law), and the Federal Water Pollution Control Act (Public Law 92-500, 92<sup>nd</sup> Congress) as amended,

Permit No. MO-0112526

Owner: BP Pipelines of America, Inc.  
Address: 801 Warrenville Road, Lisle, IL 60532

Continuing Authority: Environmental Liability Management, Inc.  
Address: 8974 South 40<sup>th</sup> Avenue, Tulsa, OK 74132

Facility Name: Amoco, Chariton River Oil Spill Site  
Facility Address: RR 1, Ethel, MO 63549

Legal Description: SE  $\frac{1}{4}$ , SE  $\frac{1}{4}$ , Sec. 30, T59N, R16W, Macon County

Receiving Stream: Tributary to Little Turkey Creek (U)  
First Classified Stream and ID: Chariton River (P)(00640)  
USGS Basin & Sub-watershed No.: (10280202-070001)

is authorized to discharge from the facility described herein, in accordance with the effluent limitations and monitoring requirements as set forth herein:

**FACILITY DESCRIPTION**

Outfall #001 - Oil Spill Cleanup - SIC #4613/9999  
Ground water monitoring wells/oil and water separator.  
Design flow is 108,000 gallons per day.

Outfall #002 - Oil Spill Cleanup - SIC #4613/9999  
Downstream sampling station.

This permit authorizes only wastewater discharges under the Missouri Clean Water Law and the National Pollutant Discharge Elimination System; it does not apply to other regulated areas. This permit may be appealed in accordance with Section 644.051.6 of the Law.

April 5, 2002  
Effective Date

  
Stephen M. Mammoth, Director, Department of Natural Resources  
Executive Secretary, Clean Water Commission

April 4, 2007  
Expiration Date  
MO 780-0041 (10-93)

\_\_\_\_\_  
Interim Director of Staff, Clean Water Commission

<b>A. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS</b>					PAGE NUMBER 2 of 4	
					PERMIT NUMBER MO-0112526	
The permittee is authorized to discharge from outfall(s) with serial number(s) as specified in the application for this permit. The final effluent limitations shall become effective upon issuance and remain in effect until expiration of the permit. Such discharges shall be controlled, limited and monitored by the permittee as specified below:						
OUTFALL NUMBER AND EFFLUENT PARAMETER(S)	UNITS	FINAL EFFLUENT LIMITATIONS			MONITORING REQUIREMENTS	
		DAILY MAXIMUM	WEEKLY AVERAGE	MONTHLY AVERAGE	MEASUREMENT FREQUENCY	SAMPLE TYPE
<u>Outfalls #001 &amp; #002</u> (Notes 1, 2 & 3)						
Flow	MGD	*		*	once/quarter**	24 hr. estimate
Benzene	mg/L	0.050		0.050	once/quarter**	grab
Toluene	mg/L	*		*	once/quarter**	grab
Ethylbenzene	mg/L	*		*	once/quarter**	grab
Xylene	mg/L	*		*	once/quarter**	grab
Total BETX***	mg/L	0.750		0.750	once/quarter**	grab
Total Petroleum Hydrocarbon	mg/L	10		10	once/quarter**	grab
pH - Units	SU	****		****	once/quarter**	grab
MONITORING REPORTS SHALL BE SUBMITTED <u>QUARTERLY</u> ; THE FIRST REPORT IS DUE <u>July 28, 2002</u> . THERE SHALL BE NO DISCHARGE OF FLOATING SOLIDS OR VISIBLE <u>FOAM</u> IN OTHER THAN TRACE AMOUNTS.						
<b>B. STANDARD CONDITIONS</b>						
IN ADDITION TO SPECIFIED CONDITIONS STATED HEREIN, THIS PERMIT IS SUBJECT TO THE ATTACHED <u>Part I</u> STANDARD CONDITIONS DATED <u>October 1, 1980</u> , AND HEREBY INCORPORATED AS THOUGH FULLY SET FORTH HEREIN.						

MO 780-0010 (8/91)

**A. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS** (continued)

\* Monitoring requirement only.

\*\* Sample once per quarter in the months of March, June, September & December.

\*\*\* Total BETX shall be measured as the sum of Benzene, Ethylbenzene, Toluene & Xylene.

\*\*\*\* pH is measured in pH units and is not to be averaged. The pH is limited to the range of 6.0-9.0 pH units.

Note 1 - Discharges directly into any classified stream or discharges in any tributary of a classified stream (within 1 mile of that stream), are also subject to the following requirements, if the discharge is greater than 10% of the average daily flow of the classified stream, measured at the point where the discharge enters the classified stream:

All instream monitoring results must be reported to the Department on a monthly basis. Any instream analysis which exceeds 75% or more of the daily maximum contained in part A of the permit, must be reported to the Department within 48 hours of discovery.

Note 2 - A log book shall be maintained in the field office which records all action taken during the clean-up operation on a daily basis. The log shall show the type of equipment used, list the personnel involved in the clean-up, and account for all quantities of waste involved.

A. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS (continued)

Note 3 - Records shall be maintained and summarized into an annual operating report which shall include the following:

- (a) record of maintenance and repairs performed during the year, average number of times per month the facility is checked to see if it is operating properly, and description of any unusual operating conditions encountered during the year;
- (b) a summary of the irrigation operations including the number of days of irrigation for each month, the total gallons irrigated, the total acres used, the application rate in inches/acre for the year and the total precipitation received at the facility.

The parameter limits stated for Outfall #002 are net of the figures established at a sample point 1/8 to 1/4 mile upstream of the spill site. Samples shall be taken at the upstream point on the same frequency as, those taken at Outfall #001. As long as the samples from Outfall #002 are within the above parameters on a gross basis, the upstream sample need not be tested. If any of the above parameters are not met on a gross basis, the upstream sample will be tested for any parameter exceeding the limit to determine if the parameter is within the limitation of a net basis. When results reported are based on net limits, it shall be noted on the quarterly monitoring report.

C. SPECIAL CONDITIONS

- 1. This permit may be reopened and modified, or alternatively revoked and reissued, to:
  - (a) Comply with any applicable effluent standard or limitation issued or approved under Sections 301(b)(2)(C) and (D), 304(b)(2), and 307(a) (2) of the Clean Water Act, if the effluent standard or limitation so issued or approved:
    - (1) contains different conditions or is otherwise more stringent than any effluent limitation in the permit; or
    - (2) controls any pollutant not limited in the permit.
  - (b) Incorporate new or modified effluent limitations or other conditions, if the result of a waste load allocation study, toxicity test or other information indicates changes are necessary to assure compliance with Missouri's Water Quality Standards.
  - (c) Incorporate new or modified effluent limitations or other conditions if, as the result of a watershed analysis, a Total Maximum Daily Load (TMDL) limitation is developed for the receiving waters which are currently included in Missouri's list of waters of the state not fully achieving the state's water quality standards, also called the 303(d) list.

The permit as modified or reissued under this paragraph shall also contain any other requirements of the Clean Water Act then applicable.

- 2. All outfalls must be clearly marked in the field.
- 3. Permittee will cease discharge by connection to areawide wastewater treatment system within 90 days of notice of its availability.

C. SPECIAL CONDITIONS (continued)

4. Changes in Discharges of Toxic Substances

The permittee shall notify the Director as soon as it knows or has reason to believe:

- (a) That any activity has occurred or will occur which would result in the discharge of any toxic pollutant which is not limited in the permit, if that discharge will exceed the highest of the following "notification levels:"
  - (1) One hundred micrograms per liter (100 µg/L);
  - (2) Two hundred micrograms per liter (200 µg/L) for acrolein and acrylonitrile; five hundred micrograms per liter (500 µg/L) for 2,5 dinitrophenol and for 2-methyl-4, 6-dinitrophenol; and one milligram per liter (1 mg/L) for antimony;
  - (3) Five (5) times the maximum concentration value reported for the pollutant in the permit application;
  - (4) The level established in Part A of the permit by the Director.
- (b) That they have begun or expect to begin to use or manufacture as an intermediate or final product or byproduct any toxic pollutant, which was not reported in the permit application.

5. Report as no-discharge when a discharge does not occur during the report period.

6. General Criteria. The following water quality criteria shall be applicable to all waters of the state at all times including mixing zones. No water contaminant, by itself or in combination with other substances, shall prevent the waters of the state from meeting the following conditions:

- (a) Waters shall be free from substances in sufficient amounts to cause the formation of putrescent, unsightly or harmful bottom deposits or prevent full maintenance of beneficial uses;
- (b) Waters shall be free from oil, scum and floating debris in sufficient amounts to be unsightly or prevent full maintenance of beneficial uses;
- (c) Waters shall be free from substances in sufficient amounts to cause unsightly color or turbidity, offensive odor or prevent full maintenance of beneficial uses;
- (d) Waters shall be free from substances or conditions in sufficient amounts to result in toxicity to human, animal or aquatic life;
- (e) There shall be no significant human health hazard from incidental contact with the water;
- (f) There shall be no acute toxicity to livestock or wildlife watering;
- (g) Waters shall be free from physical, chemical or hydrologic changes that would impair the natural biological community;
- (h) Waters shall be free from used tires, car bodies, appliances, demolition debris, used vehicles or equipment and solid waste as defined in Missouri's Solid Waste Law, section 260.200, RSMo, except as the use of such materials is specifically permitted pursuant to section 260.200-260.247.